

P/034/61/000/009/002/004
D247/D302

AUTHORS: Hagel, Ryszard and Jońca, Joachim, Masters of Engineering

TITLE: The selsyn follow-up system applied to the positioning of back-up roll and guides in steel mills

PERIODICAL: Pomiary, Automatika, Kontrola, no. 9, 1961, 379-381

TEXT: The authors describe a selsyn system for measuring the position of back-up rolls during hot rolling. They give the results obtained with the system during laboratory and field tests and discuss the possibility of applying the system to the positioning of other elements in hot steel rolls. The system was developed at the Institute for Steel Metallurgy at Gliwice. The general layout of the system is shown in Fig. 2. The system has two selsyns: coarse and fine. Movement of the roll is transmitted by a system of mechanical linkage and gearbox to the selsyns in the transmitter. The intermediate gearbox is chosen in such a way that 50 mm movement of roll corresponds to 1 rev of fine selsyn. The reduction value

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The selsyn follow-up system...

is individual for each stand. Unbalanced voltage of coarse selsyn ΔU_{SG} and the fine selsyn ΔU_{SD} is fed to the amplifier which drives the motor. The motor, through a reducing box, drives selsyns in the receivers and pointers in the scale which correspond to the actual position of the roll. The transmitter is situated on the stand. The transmitting selsyns are Type SN-1 Receiver selsyns Type SO-2 Class 1. The circuit diagram is given for the input signal feeding to a push-pull amplifier. For graphical reasons the control voltage is limited to 60 v by means of bulbs. The tests were conducted at the Institute on a stand with the maximum movement 100 mm. The backlash of the measuring system was 0.05 mm and corresponded to one division on the fine scale. For unidirective movement the scatter of reading was .02 mm; for bidirectional movement the scatter was .18 mm. These measurements were compared with the actual opening between rolls. The same system can also be used for measuring the position of vertical rolls, guides etc. The application of the system for positioning of guides in the steel mill is shown as well as the application of the system for keeping constant difference

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The selsyn follow-up system...

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between two pairs of guides. Fig. 10 shows the arrangement whereby the operator can choose a preset position for the roll by actuating switch 4. The operator can obtain the position for the roll, while the first one is still being continued. Then upon pressing switch 4 the roll comes to the derived position with the optimum speed. There is also a possibility for the remote control of several stands from one control point. There are 10 figures and 3 Soviet-bloc references.

ASSOCIATION: Instytut metalurgii zelaza Gliwice (Institute for Metallurgy of Steel Gliwice)

Legend to Fig. 2: a - stand; b - measuring device; 1 - intermediate gear box; 2 - transmitter; 3 - receiver; 4 - amplifier; 5 - motor; 6 - reducing gear box; 7 - coarse scale; 8 - fine scale.

Legend to Fig. 10: a - selling mechanism; 1 - derived value; 2 - manual selling; 3 - measured value; 4 - switch; 5 - amplifier; 6 - power amplifier; 7 - setting motor; 8 - intermediate gear box.

Card 3/4

HAGEL, Ryszard; KARDASZEWICZ, Jerzy

Development trends in electric drive and metallurgical automation in the light of the results of the scientific-technical conference of the member countries of the Council for Mutual Economic Assistance in Kharkov. Problemy proj hut maszyn 10 no.12:382-384 D '62.

1. Instytut Metalurgii Żelaza, Gliwice (for Hagel). 2. Biprophut, Gliwice, (for Kardaszewicz).

HAGEL, Ryszard, mgr., inz.; JONCA, Joachim, mgr., inz.

Selsyn type system for position measurement of upper roller and of
rules of blooming mill train manipulators. Automatizace 4 no.11:
319-322 N '61.

1. Ustav metalurgie selez, Gliwice.

(Rolling mills) (Measuring instruments)

HAGEL, Ryszard, mgr., inż.; JONGA, Joachim, mgr., inż.

A control synchro system for the position measurement of blooming rolls and manipulators. Pomiar 7 no.9:379-381 S '61.

1. Instytut Metalurgii Żelaza, Gliwice.

(Rolling-mill machinery)

HAGEL, Ryszard

Automatic screw-down control of rollers with digital programming.
Archiw automat 7 no.3/4:549-573 '62.

1. Instytut Metalurgii Żelaza, Gliwice.

HAGEL (Poland); MIARKO (Poland)

Magneto-elastic stress measurement apparatus. Hut listy 17 no.2:
98-100 F '62.

HAGEL, Ryszard, mgr inż.

Punchcard reader for control programming of a rolling mill.
Hutnik P 30 no.7/8:257-261 J1/Ag '63.

1. Instytut Metalurgii Żelaza, Gliwice.

ACCESSION NR: AP4037406

P/0034/64/000/005/0200/0202

AUTHOR: Hagel, Ryszard (Doctor of engineering)

TITLE: Alternating-current transistor switches

SOURCE: Pomiar, automatyka, kontrola, no. 5, 1964, 200-202

TOPIC TAGS: alternating-current transistor switch, contactless programming system, hookup, voltage distortion

ABSTRACT: The author reported on his use of transistor switches for alternating currents in contactless programming systems in an article on "Setting of Cylinders with Numerical Programming" in Prace Instytutow Hutniczych, Nr 1/63. The present article discusses the systems of hookups and the principle of action of transistor switches producing no distortion in the flow of currents and voltages, and gives directions for choosing the parameters of such switches, as well as examples for applying them to contactless programming systems. Orig. art. has: 7 figures.

ASSOCIATION: Katedra Miernictwa Elektrycznego, Politechnika Slaska (Chair of

Card 1/2

ACCESSION NR: AP4037406

Electric Measurement Department, Silesian Polytechnic Institute)

SUBMITTED: 00

DATE ACQ: 09Jun64

ENCL: 00

SUB CODE: EE

NO REF SOV: 000

OTHER: 001

Card 2/2

RUMANIA

IONESCU, D., Veterinary Physician; SASU, V., Veterinary Physician; ~~HAGIU, N.~~, Veterinary Physician; SASU, Elena, Veterinary Physician; and TASCIA, S., Veterinary Physician, Faculty of Veterinary Medicine (Facultatea de medicina veterinara) Iassi

"Aspects of Acute Experimental Poisoning with Heclotox, Detox and Duplitox in Animals"

Bucharest, Revista De Zootehnie si Medicina Veterinara, Vol 16, No. 7
June 1966; pp 62-70

Abstract: [English summary modified] Study of toxicity of Heclotox (gamma-hexachlorocyclohexane with 3% lindane); Detox (DDT 25%) and Duplitox (3.5% DDT and 0.5% lindane) in sheep, rabbits and guinea pigs in varying peroral doses. Both by the lethal dose and by the effect on hematologic data and histopathology, sheep were much more resistant to all three of these preparations on a mg/kg basis than the other two species. 3 tables, 7 Rumanian references.

1/1

HAGMAJER, W. Remarks on defects of the binding system of payment and the technique of calculating wages in teams. p. 202. PRZEGLAD GEODEZYJNY. (Stowarzyszenie Naukowe-Techniczne Geodetow Polskich) Warszawa. (Publication on geodesy and surveying issued by the Scientific-Technical Association of Polish Geodesists. Includes supplements; Biuletyn Instytutu Geodezji i Kartografii, bulletin of the Geodetic and Cartographic Institute, and Przeglad Dokumentacyjny Geodezji, review of geodetic documentation. Monthly) Recurrent features: Progress in technology and organization; News of the Association and of the province; Among books and publications. Vol. 12, No. 6, June 1956. Poland

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4—April 1957

HAGEMAJER, Włodzimierz; ZAGORSKI, Józef

Oskar Lange, Polish economist. Nauka Pol 9 no.4:91-96 O-D '61.

1. Polska Akademia Nauk, Zakład Nauk Ekonomicznych.

CORT, J.H.; HAGEMANN, I.; LICHARDUS, B.

The effect of aethyl alcohol and vasopressin on the pressor
and renal response to carotid occlusion in the cat. Physiol.
Bohemoslov. 14 no.2:130-133 '65.

1. Institute for Cardiovascular Research, Prague.

TIBORCZ, Istvan; SAVELY, Laszlo; HAGENBURG, Jozsef

Issuance of professional standards. Szabvany kozl 14 no.10:226
0 '62.

1. Koho- es Gepipari Miniszterium Muszaki Osztalyanak vezetője (for TiborcZ). 2. Koho- es Gepipari Miniszterium Vegyipari-gepgyartasi Szabvanyosito Kozpont vezetője (for Savely). 3. Magyar Hajo- es Darugyar Szabvany es Tipizalasi Osztalyanak vezetője (for Hagenburg).

HAGER-MALECKA, B.

Prof. Artur Chwalibogowski, M.D. Pediat. Pol. 39 no.4:361-363
Ap '64.

HAGER-MAJECKA, B.
CHWALIBOGOWSKI, A.; HAGER-MAJECKA, B.

Clinical manifestations & therapy of pulmonary tuberculosis in infants & young children. *Pediat. polska* 32 no.11: 1199-1219 Nov 57.

1. Z Kliniki Chorob Dzieci Slaskiej A. M. w Zabrze. Kierownik: prof. dr A. Chwalibogowski. Adres: Zabrze, ul. 3 Maja 63.
(TUBERCULOSIS, PULMONARY, in inf. & child
clin. manifest. & ther. (Pol))

HAGER-MALECKA, Bożena; SMIGLA, Krystyna

A case of dermoid cyst located in the cranial cavity. *Pediat. polska*
34 no.9:1186-1190 Sept 59.

1. Z Kliniki Chorob Dzieci Slaskiej A. M. w Zabrze Kierownik: prof.
dr med. A. Chwalibogowski i z Zakładu Anatomii Patologicznej Slaskiej
A. M. w Zabrze Kierownik: doc. dr W. Niepolowski.

(TERATOID TUMOR, in inf. & child)

(BRAIN, neopl.)

HAGER- MALECKA, Bozena; SZCZEPANSKI, Zbigniew

Contribution to immunoelectrophoretic studies in leukemic children. Pol. tyg. lek. 19 no.25:947-949 15 Je'64

1. Z Kliniki Chorob Dzieci SI. Akademii Medycznej w Zabrze;
kierownik: prof. dr. med. A. Chwalibogowski [deceased].

HAGER-MALECKA, Bozena; SZCZEPANSKI, Zbigniew

Microelectrophoresis of tubercle bacilli in children. *Pediatr. polska* 34 no.10: 1289-1293 0 '59.

1. Z Kliniki Chorob Dzieci Slaskiej A.M. w Zabrze. Kierownik: prof.dr.med. A. Chwalibogowski.

(TUBERCULOSIS cerebrospinal fluid)

HAGER-MALECKA, Bożena

Bronchial sarcoidosis and its differentiation from tuberculosis.
Otolaryngologia polska 14 no.1:159-163 '60.

1. Z Kliniki Chorob Dzieci w Zabrze, Kierownik: prof. dr med.
A. Chwalibogowski.

(TUBERCULOSIS PULMONARY diag.)

(BRONCHI dis.)

(SARCOIDOSIS diag.)

HAGER, MALCZEN, Bożena

3

URNNAME, Given Names

Country: Poland

Academic Degrees: [not given]

Affiliation: Child Disease Clinic (Klinika Chorob Dzieci), Silesian School of
Medicine (Sl. A. M., Śląska Akademia Medyczna), Zabrze;

Director: Prof. A. CHWALIBOGOWSKI, Dr.

Source: Warsaw, Przegląd Lekarski, Vol XVII, Ser II, No 8, 1961, pp 297-298.

Data: "A Catamnesis of Cases Subjected to Tonsillectomy."

Authors:

HAGER-MALECKA, Bożena

SOBANSKI, Tadeusz

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HAGER-MALECKA, Bozena; KOBIERSKA, Alicja; SZCZEPANSKI, Zbigniew

Bromide test in tuberculous cerebrospinal meningitis. Gruzlica 29
no.2:139-143 F '61.

1. Z Kliniki Chorob Dzieci Slaskiej A. M. w Zabrze Kierownik: prof.
dr med. A. Chwalibogowski.

(TUBERCULOSIS MENINGEAL diag)
(BROMIDES metab)
(HEMATOENCEPHALIC BARRIER)

HAGER-MALECKA, Bozena; KOSSOWSKI, Andrzej

Drug-resistance of bacilli in tuberculosis in children. Gruzlica 29
no.12:1017-1023 D '61.

1. Z Kliniki Chorob Dzieci Slaskiej AM w Zabrze Kierownik: prof. dr
med. A. Chwalibogowski.

(ANTITUBERCULAR AGENTS ther)

CHWALIBOGOWSKI, Artur; HAGER-MALECKA, Bozena

Clinical aspects of tuberculous meningoencephalitis. Gruzlica
30 no.10:901-907 '62.

1. Z Kliniki Chorob Dzieci Slaskiej AM w Zabrze Kierownik:
prof. dr med. A. Chwalibogowski.
(TUBERCULOSIS IN CHILDHOOD)
(TUBERCULOSIS, MENINGEAL)
(STATISTICS)

CHWALIBOGOWSKI, Artur; HAGER-MALECKA, Bozena; KOBIEŃSKA, Alicja

Methods and results of the treatment of tuberculous meningitis in 1952-1960. Gruzlica 30 no.11:1039-1044 '62.

1. Z Kliniki Chorob Dzieci Slaskiej AM w Zabrze. Kierownik: prof. dr med. A. Chwalibogowski.

(TUBERCULOSIS MENINGEAL)

HAGER-MALECKA, Bozena; KRAUZE, Mieczyslaw; ZAREBA, Jerzy

A case of spontaneous hypoproteinemia with acute course in a 3-year-old child. *Pediat. Pol.* 37 no.5:535-538 My '62.

1. Z Kliniki Chorob Dzieci Slaskiej AM w Zabrze Kierownik: prof. dr med. A. Chwalibogowski.

(BLOOD PROTEINS)

POLAND

HAGEN-MALECKA, Beżana, Clinic of Child Diseases (Klinika Chorob Dzieci), SIAM [Slaska Akademia Medyczna, Silesian Medical Academy] in Zabrze (Director: Prof. Dr. med. A. CHWALIBOGOWSKI)

"Primary Antibiotic Resistance of Bacilli in Tuberculosis in Children."

Warsaw-Krakow, Przegląd Lekarski, Vol 19, Ser II, No 1, 63, pp 6-8.

Abstract: [Author's English summary modified] Methods, materials, and findings are reported on a study antibiotic resistance in tuberculous patients. In typical tuberculous cerebromeningitis and military pulmonary tuberculosis hormonal therapy constitutes no danger, but in nodopulmonary tuberculosis, sensitivity of the isolated bacteria to basic antibiotics must be determined. Of the 11 references, one (1) is English, three (3) are French, and seven (7) Polish.

1/1

HAGER-MALECKA, Bozena

Apropos of guides for the preventive therapy of newborn
infants with tuberculosis. Gruzlica 31 no.6:539-541 Je'63.

1. Klinika Chorob. Dzieci, Sl.AM, Zabrze

*

HAGER-MALECKA, Bożena

Tuberculosis in the 1st quarter of life. *Pediat. Pol.* 39 no.9:
1057-1062 S '64

1. Z Kliniki Chorob Dzieci Śląskiej Akademii Medycznej w
Zabrze (Kierownik: prof. dr. med. A. Chwałikowski [de-
ceased]).

HAGER-MAJECKA, Bozena

Congenital tuberculosis. Pediat. Pol. 39 no.9:1103-1108 S '64

HAGER-MALECKA, Bozena

Proposed revision of the organisation of child welfare based on the health conditions analysis of children of tuberculous mothers. *Pediat. Pol.* 40 no.6:637-641 Je '65.

l. Z Kliniki Chorob Dzieci Slaskiej AM w Zabrze (p.o. Kierownik: doc. dr. B. Hager-Malecka).

HAGI-PARASCHIV, A.

RUMANIA/Human and Animal Morphology (Normal and Pathological)
Nervous System

3

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31227

Author : Niculescu Ion T, Hagi-Paraschiv A., Enachescu Aurelia,
Badescu Ruxanda, Reileanu Ioana.

Inst : Not Given

Title : Concerning the Nerve Endings of the Digestive Apparatus: the
Stomach and the Duodenum.

Orig Pub : Bul. stiint. Soc. med., 1956, 8, No 1, 101-150

Abstract : The stomach and intestine of dogs, cats, rabbits, rats and mice were stained with methylene blue; also used were impregnation with silver, Nissle body stain in different cytological methods. In the Auerbach system, the networks possess ganglia which lie under the serous membrane. Especially numerous are ganglia in the musculature of Oddi's sphincter. The ganglia are rich in blood vessels. Ganglionic cells of the Meissner plexus are smaller; they possess thinner synaptic apparatuses. In the muscle layer, at different pH values, the

Card : 1/2

HAGI-PARASHEIV, A.

RUMANIA / Human and Animal Morphology, Normal and Pathological. S
Nervous System.

Abs Jour : Ref Zh Biol., No 21, 1958, No 97065

Authors : Niculescu, Ion. T.; Hagi-Parasheiv, A.; Emachesku, A.;
Cosoveanu-Voinescu, S.; Opreacu, I.; Bocirnea, C.; Fotin, L.;
Petrescu, C.; Gavet, V.

Inst : Rumanian Academy

Title : On Nerve Endings in the Prostate

Orig Pub : Comun. Acad. RPR, 1957, 7, No. 1, 131-134.

Abstract : In the prostate gland of the guinea pig, cat, dog and mouse, rich innervation of the gland itself, as well as its excretory duct, was discovered. In smooth musculature, by the method of impregnation, the prevalence of encapsulated sensory bodies described by Timofeyev was detected.

Card 1/1

HAGI-PARASCHIV, A.

HAGI-PARASCHIV, A., Assit. Prof.; ENACHESCU, A.; ONICESCU, Doina; SMOLENSCHI-POFIN, Ludmila; BOOIRNEA, C.; LISSIEVIGI-OPRESCU, Elena; IREDIU, St.; RAILEANU, Ioana; RADU, Sorina

Contributions to the study of terminal nerve structures in the peritoneum.
Rumanian M. Rev. 2 no.2:9-10 Apr-June 58.

(PERITONEUM, innerv.
terminal nerve structures)

HAGI-PARASCHIV, A., assist. prof.; SIMIONESCU, Vasilica; NICULESCU, St. I.;
JOANDREA, Claudia; RADU-LEAHU, Sorina; STROESCU, N.

Histologic data on the macula densa in the nephron. Rumanian M Rev.
no.4:9-14 '61.

(KIDNEY anat. & histol.)

LUFU, Gh.N.,academician.; VELICAN, C.; HAGI-PARASCHIV, L.

Experimental study of the effect of acetylcholine and adrenalin on the colloidopexic capacity of the alveolar cells. Bul. stiint. sect. med. 7 no.3:643-661 July-Sept 55

(LUNGS, physiol.

colloidopexic capacity of alveolar cells, eff. of acetylcholine & epinephrine, in guinea pigs)

(ACETYLCHOLINE, eff.

on colloidopexic capacity of alveolar cells, in guinea pigs)

(EPINEPHRINE, eff.

same)

(COLLOIDS

colloidopexic capacity of alveolar cells, eff. of acetylcholine & epinephrine, in guinea pigs)

HAGI-PARASHIV, Liliانا, Dr.

Current status of the problem of collagen diseases. Med. int.,
Bucur. 7 no.4:17-33 Oct-Dec 55.

1. Clinica a III-a medicala.
(COLLAGEN DISEASES
classif. & pathol.)

KLEINEMAN, Conf.; HAGI-PARASCHIV, L., dr.; BELCHITA, dr.

Periarterita nodoasa si lupusul eritematos diseminat. Med.
int., Bucur. 7 no.4:76-88 Oct-Dec 55.

1. Clinica a III-a medicala IMF - Spitalul Bernat Andrei - Bucur.
(LUPUS ERYTHEMATOSUS, DISSEMINATED
differ. diag. & case reports)
(PERIARTERITIS NODOSA
differ. diag. & case reports)

ILIESCU, M., dr.; PASTIU, V., dr.; SVET, M., dr.; DOMOCOS, G., dr.;
HAGI-PARASCHIV, L., dr.; ILIESCU, C.C., prof.

Abdominal angina. Med. intern. 15 no.9:115-122 S '63.

1. Lucrare efectuata la ASCAR, Bucuresti.
(MESENTERIC VASCULAR OCCLUSION)
(THROMBOANGITIS OBLITERANS)
(INTESTINAL DISEASES) (INFARCTION)

LUPASCO, Gh.; HAGIC, Alice; SOLOMON, Paula; IANCO, Larissa

Research on the constitution and specificity of Trichinella spiralis antigens. Arch. Roum. path. exp. microbiol. 23 no.4: 877-882 D '64.

1. Travail de l'Institut "Dr. I. Cantacuzino", Section d'Helminthologie et Laboratoire de Chimie Parasitologique. Submitted May 18, 1964.

HAGIIESCU, D.; DUTU, E.; CIORANESCU-DINU, M.

Contributions to the study of medicamental tuberculous anergy: the role of isoniazide. Rumanian M. Rev. 2 no.1:30-31 Jan-Mar 58.

(ISONIAZID, eff.

induction of immune tuberc. anergy during repeated tuberculin test)

(TUBERCULIN REACTION, eff. of drugs on

isoniazid induction of immune tuberc. anergy during tuberculin test)

RUMANIA / General Problems of Pathology. Allergy.

U

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 13516

Author : Hagiescu, D.; Dutu, Eliza; Cioranescu-Dinu, M.

Inst : -

Title : Changes of Tuberculin Allergy in Children in Treatment with Isoniazid.

Orig Pub : Ftiziologia, 1958, 7, No. 3, 241-248

Abstract : No abstract

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HAGIESCU, D.; ANDRESTER, M.; CIORANESCU-DINU, Maria; in collaboration with
VEBER, V.; BREZEANU, Paula; BUTON, L.

Some clinical aspects of tuberculosis in the aged. Rumanian M Rev.
no.2:28-31 Ap-Je '60;

(TUBERCULOSIS, PULMONARY in old age)

HAG LESCU 7 MIRESTE, M.

MS

Rotational temperature in the CH band ($\lambda = 3889 \text{ \AA}$) of the Bunsen burner flame. I. Agribiceanu and M. Hagulescu (Inst. Petroleum and Gases, Bucharest, Rumania). *Comin. acad. rep. populare Romine* 5, 1263-8(1965).—The emission spectra were studied for Bunsen burner flames which were due to burning CH₄ and butane, for various regions of the flames. Special attention was given to the CH band ($\lambda = 3889 \text{ \AA}$) from which was derived analytically the rotation temp. of the band, found to be 4480°K., i.e. much higher than the true temp. of the Bunsen burner. Thus, the emission of this band does not correspond to a true thermal equil.; a much higher energy is indicated, which corresponds to the formation of the CH radical. *Werner Jaschke*

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HAGIIESCU - MIRISTE, M.

~~Emission spectra of some hydrocarbon vapors excited by high frequency. L. Agibascu and M. Hagiescu-Miriste (Petroleum and Gas Inst., Bucharest). *Revol. rev. chim. Roum., Bul. stuf., Sect. fiz. mat. pt. 8, 665-73 (1966).*~~
 Emission spectra of pure solid vapors excited by a high frequency discharge were obtained in the ultraviolet for benzene, toluene, and *o*-, *m*-, and *p*-xylene. The app. consisted of tubular quartz and lens glass sections, the latter sealed at one end after evacuation of air. The discharge was produced by two external electrodes wound around the tubes and supplied by a Tesla-type radio-frequency generator. The temp. of the materials during the 8-hour exposure varied from -15 to 0°. Solid polymerization products were formed opposite the electrodes and were found to be fluorescent in soln. The spectrum of benzene is generally in agreement with that reported by Austin and Black (*Phys. Rev.* 35, 452 (1924)). The continuous emission background noticed at larger wave lengths is attributed to the approach of the vibration levels to the fundamental state of the lowest point on the potential-energy curve. The ranges for each spectrum were, resp., 2,060-3,060 Å. for toluene, 2,090-3,550 Å. for *o*-xylene, 2,703-3,550 Å. for *m*-xylene, and 2,731-3,550 Å. for *p*-xylene. None of the spectra suggested the presence of free radicals, fragments, or impurities. The spectra are considered sufficiently specific to serve for the identification of each compd. The oscillation frequencies of the mols. decrease with increasing mol. wt. The continuous emission background is attributed to the superposition of 2 effects: a decrease in the validity of the selected rules because of the asymmetry of the xylene mols., and a recombination of dissociated mols. in a time interval shorter than the av. life of the excited radicals. A.S.

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RM MK

HAGIESCU - MIRISTE, M.

RUMANIA/Optics - Luminescence.

K

Abs Jour : Ref Zhur Fizika, No 1, 1960, 2102

Author : Agirbiceanu, I., Hagiescu-Miriste, M., Weissmann, I.
Inst : -
Title : Fluorescence Spectra of Products Formed in Electric High Frequency Discharge in Vapors of Certain Hydrocarbons with Benzene Nucleus

Orig Pub : Lucrarile Inst. petrol si gaze Bucuresti., 1957, 3, 327-339

Abstract : An investigation was made, in the region 4046 -- 6273 Å, of the two energy distributions in fluorescent spectra of the products that are produced in electric high frequency discharges in vapors of benzene, toluol, m- and n-xylols. It is noted that fluorescence of substances obtained from benzol (less complex) is more intense than from substances obtained from xylols (more complex). This observation confirms the

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Abs Jour : Ref Zhur Fizika, No 1, 1960, 2102

theory of B.S. Neporent and B.I. Stepanov (Uspelhi Fiz. Nauk, 1951, 43, No 3) according to which as the molecules become more complicated the probability of intramolecular redistribution of energy increases. -- V. Klochkov

Card 2/2

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✓ The kinetics of positive ions at the cathode of a luminescent discharge in mercury vapors. B. Bădăreanu and M. Hagiescu-Mirigete. Acad. rep. populare Române, Inst. de chimie și fizică, Studii cercetări fiz. 10, 429-33 (1959).
In a luminescent discharge, the motion of ions in the gas phase near the cathode is almost exclusively controlled by the phenomenon of electron transfer. S. A. Stern

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PEREDI, Jozsef; L. HAGONY, Pirooska

Determination of the composition of Hungarian fatty alcohol products
by means of gas chromatography. Magy kem lap 19 no.6:330-333 Je '64.

1. Vegetable Oil and Household Chemical Industry Research Institute,
Budapest.

HAGOWSKI, A.

TECHNOLOGY

Periodicals: PRZEGLAD BUDOWLANY Vol. 30, No. 7, July 1958

HAGOWSKI, A. Results of the research on the KU-251 Polish excavator on wheels. p. 289.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

RUMANI./Chemical Technology. Chemical Products and Their Applications. Electrochemical Industries. Electroplating. Galvanic Cells. H

Abs Jour: Ref Zhur-Khim., No 8, 1959, 28116.

Author : Hagymas, G. and Platthi, G.
Inst :
Title : Current Linkage in the Electrolytic Refining of Copper and Its Elimination.

Orig Pub: Rev Chim, 9, No 3, 134-138 (1958) (in Rumanian with German, English, French, and Russian summaries)

Abstract: The authors have investigated the causes responsible for the drop in current efficiency to 50-60% and have found that the greatest current losses are caused by short circuits formed between the electrodes. Careful control of the baths and immediate

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RUMANI./Chemical Technology. Chemical Products and Their Applications. Electrochemical Industries. H

Abs Jour: Ref Zhur-Khim., No 8, 1959, 28116.

elimination of the short circuits as soon as they are formed has made it possible to increase the current efficiency by about 30%. The authors have found that ground leakage at the installation observed, having a total load of 4,000 amps, represented 0.26% (10.4 amps). -- Ya. Matlis.

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R/003/60/011/03/001/026
D0016/D3001

General Aspects of the Corrosion and Protection of Metals

The better the protective characteristics of the film in corrosion products, the nearer these characteristics come to the logarithmic curve. To obtain refractory alloys according to the theories by Tomashov and Arkharov, it is necessary to select alloying constituents which, together with the basic metal, give oxides proper or mixed oxides more stable than the oxides of the basic metal. Anodic and cathodic processes localize in various parts of the metal surface during corrosion, thus forming microscopic galvanic piles. A.N. Frumkin developed a new electrochemical theory on metal corrosion [Ref 29], which was studied by Wagner and Traud [Ref 30], Durdin [Ref 31], Sultin [Ref 32] and Scorçeletti [Ref 33]. When the polarization curves are replaced by straight lines and the p_a and p_c specific polarizations and the ohm resistance of the system known,

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D0016/D3001

General Aspects of the Corrosion and Protection of Metals

the analytical expression of the corrosion process is

$$e_c^0 - e_a^0 = iR + ip_a + ip_c; i = \frac{e_c^0 - e_a^0}{R + p_a + p_c}$$

as shown in Figure 3. Real systems often consist of more than 2 electrodes. For this reason G.K. Akimov and his school developed a relatively simple method of graphic presentation which does not depend on the number of electrode types. Modern methods of combatting electro-chemical corrosion can be divided into 4 categories, according to the character of the protective action [Ref 1, 8, 11 and 12]. U.R. Evans recently developed inhibitors - blends of phosphates and chromates - apparently free from defi-

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D0016/D3001

General Aspects of the Corrosion and Protection of Metals

ciencies in chromates which cause, in low concentrations, the acceleration of corrosion. Carbonate of monomethanol amine is used in the USSR as a volatile inhibitor known as MEAC. Products prepared by the "Anticoroziv" Enterprise, such as "Grafinert", "Grafal", "Grafedur" and "Carbadez" were successfully used as anti-corrosive phenolformaldehyde and impregnated graphite materials. There is 1 graph, 1 set of graphs, 1 figure and 36 references of which 19 are Soviet, 4 Rumanian, 4 English, 4 German, 2 Italian and 3 unidentified. ✓

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Thomas F. Butler

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(DIETS

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*in hosp.)

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(ANEMIA, HYPOCHROMIC, ther.
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(IRON, ther. use
*anemia, hypochromic)

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 - differ.diag., hepatitis & jaundice, blood iron determ.(Ser))
 - (IRON, in blood,
 - differ.diag. of liver dis. & hepatitis & jaundice, value (Ser))
 - (BLOOD
 - iron in differ.diag. of liver dis. & hepatitis & jaundice, value (Ser))
 - (HEPATITIS, differ.diag.
 - liver dis., blood iron determ.(Ser))
 - (JAUNDICE, differ.diag.
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(SERUM GLOBULIN)

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(PORPHYRIA)
(PORPHYRINS urine)

YUGOSLAVIA

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Zagreb.

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Ivan Arpad; Internal Medicine Clinic of Medical Faculty of the University
(Interna klinika Medicinskoj fakulteta Sveucilista), Zagreb

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Zagreb, Lijechnicki Vjesnik, Vol 38, No 8, August 1966; pp 953-958

Abstract [English summary modified]: Review of skin manifestations in liver diseases in general and cirrhosis in particular; vascular nevi, various types of spots, nodes; nail changes, hair changes. Seventeen Western references. Manuscript received 2 Jun 66.

1/1

L 44768-66 IJP(c) RO

ACC NR: AP6005493 (A)

SOURCE CODE: CZ/0078/66/000/001/0013/0013

INVENTOR: Guyenot, Ernest (Dr.; Jena); Hahn, Eberhard (Jena)

44
B

ORG: none

TITLE: (Device for measuring and/or indicating radiation intensity) CZ Pat. No. PV 5971-60

SOURCE: Vynalezny, no. 1, 1966, 13

TOPIC TAGS: ¹⁹radiation counter, radiation detection device, radiation intensity, electron microscope

ABSTRACT: A device is described for measuring and/or ⁶indicating radiation intensity for equipment operating with corpuscular radiation, in particular for electron microscopes with a magnifying system of electron optical lenses in which the charges carried by the electron rays in the region of the observed object to be investigated are used for scanning the focusing beam of rays. The distinguishing feature of the device is that the terminal image screen is electrically connected to a deflecting electrode which, viewed in the direction of motion of the rays, is positioned behind the objective. To compensate for the deflection of the beam of rays induced by the

Card 1/2

L 44768-66

ACC NR: AP6005493

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electrode another deflecting electrode is adapted whose potential is varied by means of the compensating circuit.

SUB CODE: 09/ SUBM DATE: 04Oct60

Card 2/2 blg

HAHN E. dr

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Laszlone, dr.

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agranulocytosis)
(AGRANULOCYTOSIS, ther.
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"Oxidation of Fatty Acids by Liver Mitochondria in Young and Adult Rats."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, p 84

Abstract: Mitochondria of 6-11 days-old rats produce twice the amount of free fatty acids as mitochondria of adult rats. Fetus m. produce the same amount as adult ones. This explains the increased oxidation rate of fatty acids by newborn rats. 1 Czech reference. Submitted at "16 Days of Physiology" at Kosice, 30 Sep 65.

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